



VOICES of the BAY



Voices of the Bay - Local Fisheries Education

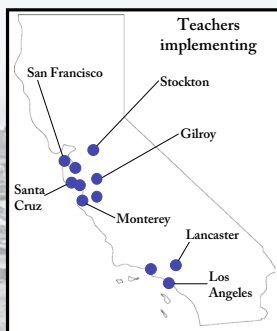
Lisa Uttal, Seaberry Nachbar, Kristin Hunter-Thomson, & Sabrina Beyer



A place-based education project where local fisheries, fishing communities, and their maritime history and culture enable students (Grades 7-12 and Undergraduates) to learn about the the ecological and human dimensions of marine resource use and its management.

Program Accomplishments

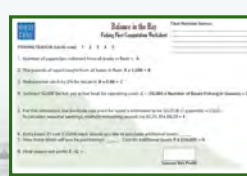
- Curriculum completed
- Hosted Teacher Workshop
- 29 teachers trained
- 19 teachers implementing
- Over 500 students participating in the program
- Conducted Teacher/Scientist/Fishermen Research Cruise



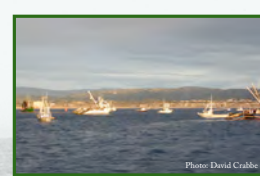
Balance in the Bay - Ecosystem-based Approach



Ecosystem-based factors



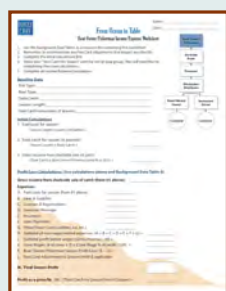
Fishing fleet computation worksheet



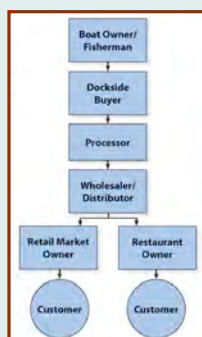
Squid Fishing Boats

In this activity, students take part in a simulated fishery, harvesting California market squid (*Doryteuthis opalescens*) and then make decisions as scientists and managers about how to manage a sustainable fishery. Students look at the entire ecosystem and its many interdependent factors that affect a resource.

From Ocean to Table - The Economics of Fisheries



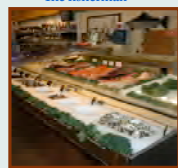
Students calculate profit/lbs for each step of the process



Fishery stakeholders



The fisherman



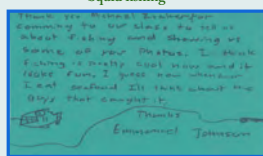
The market where the catch ends up

Through role-playing, teamwork, and a little fate, students get an "insider's" view of what it takes to be an active stakeholder in a commercial fishery. Students learn the real costs that contribute to eventual market value, as well as the unanticipated gains and losses that can occur at any stage along the way.

Capturing the Voices of the Bay - Fishing Community Oral Histories



Squid fishing



Thank you note from classroom visit



Sample interview



Unloading sardines at Booth's Cannery

Working individually, and in groups, students research, plan, and conduct personal interviews, first with each other and then with actual citizens in the fishing community, to capture the rich stories, traditions and knowledge that define Monterey's fishing legacy.

Artwork by Ray Troll, courtesy of NOAA Fisheries Service

